

Title (en)
BUILD MATERIALS HAVING A METALLIC APPEARANCE FOR 3D PRINTING

Title (de)
BAUMATERIALIEN MIT METALLISCHEM ERSCHEINUNGSBILD FÜR 3D-DRUCK

Title (fr)
MATÉRIAUX DE CONSTRUCTION AYANT UNE APPARENCE MÉTALLIQUE POUR IMPRESSION 3D

Publication
EP 3456789 A1 20190320 (EN)

Application
EP 18193770 A 20150826

Priority

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Abstract (en)
In one aspect, composite build materials for use with a 3D printing system are described herein. In some embodiments, a composite build material described herein comprises a carrier ink comprising a curable material; and pigment particles dispersed in the carrier ink, wherein the pigment particles comprise mica. In some cases, the carrier ink is present in the composite build material in an amount of about 80-98% by weight, and the curable material comprises one or more species of monomeric and/or oligomeric (meth)acrylates. Additionally, in some instances, the pigment particles are present in the composite build material in an amount of about 2-8% by weight and comprise up to about 85% by weight mica, based on the total weight of the pigment particles. The pigment particles, in some cases, can also comprise TiO₂ and/or Fe₂O₃.

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Citation (applicant)

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